

What Is Claimed Is:

1. A tool device for a detachable working tool capable of being turned to change to a different working surface or angle of attack to the work, the tool device
5 comprising:

a body adapted to be held by the user when using the tool;

a releasable retention device in the body for retaining the tool on the body and for releasing the tool
10 from the body;

a turning mechanism in the body allowing the tool to reposition relative to the body to change a different working surface or angle of attack; and

an actuator on the body movable to a first
15 position to actuate the turning mechanism to allow repositioning of the tool relative to the body and movable to a second position to actuate the releasable retention device for releasing the tool from the body.

2. A tool device in accordance with Claim 1
20 wherein the actuator comprises:

a push portion on the actuator for being pushed by the user with a lighter pressure to allow turning of the tool relative to the body and being capable of being pushed with a greater pressure to cause a release of the
25 tool from the body.

3. A tool device in accordance with Claim 2 wherein the push portion comprises:

a push button which is capable of being pushed with the light pressure to turn the tool through a
30 predetermined increment of turning.

4. A tool device in accordance with Claim 3 wherein the actuator portion has a portion pushing on a portion of the tool to turn the tool through a

predetermined increment without the user touching the tool.

5 5. A tool device in accordance with Claim 1 wherein the body has a flat bottom surface and wherein the tool is a flat planar blade having multiple edges for turning into a use position.

10 6. A tool device in accordance with Claim 5 wherein the tool has a plurality of serrated edges of different sizes or spacing on the outer edges of the tool and wherein operation of the push button causes the turning of the tool to present a different serrated edge for use without the user touching the tool.

15 7. A tool device in accordance with Claim 1 wherein the actuator has a release portion for actuating the releasable retention device to push the tool from the body so that the tool is removed without a person having to touch the tool.

20 8. A tool device in accordance with Claim 1 wherein the releasable retention device comprises a movable clamping portion movable relative to the tool when pushing down over the tool to cause a clamping of the tool to the body.

25 9. A tool device in accordance with Claim 8 wherein a post projects upwardly on the tool and wherein the clamping device clamps onto the post.

 10. A tool device in accordance with Claim 1 wherein the body comprises:

30 an outer housing which is shaped to be gripped by the palm of the hand of the user, the tool being a flat blade planar shaped having outer serrated edges and a central projecting portion for releasable connection to the connecting device.

 11. A tool device in accordance with Claim 1 wherein the body comprises:

an outwardly projecting handle portion projecting from the body to be gripped by the user or to be attached to an extension handle.

5 12. A tool device for use with a tool having a connecting portion thereon comprising:

a hollow body;

a retention member pivotally mounted in the hollow body;

10 a spring biasing the retention member to a retention position to retain the tool on the tool device;

a shoulder portion on the retention member biased by the spring to engage the connecting portion on the tool and to retain the tool on the tool device; and

15 an actuator for shifting the retention member to a tool release position to shift the shoulder portion from its retaining position to a release position.

13. A tool device in accordance with Claim 12 comprising:

20 eject cam portions on the pivotally mounted retention member movable to eject the tool from the tool device.

14. A tool device in accordance with Claim 12 comprising:

25 turning cam portions for engaging the tool and for turning the cam through a predetermined increment.

15. A tool device in accordance with Claim 12 wherein the retention member comprises:

30 a plate with an enlarged opening therein to allow insertion of an enlarged head on the tool through the enlarged opening;

a wall portion of the enlarged opening on the plate to retain the tool head; and

a stationary receiving portion on the tool device to receive the enlarged head when the tool is attached.

5 16. A combination of a tool device and a tool comprising:

a flat blade tool;

a body on the tool device releasable connected to a top side of the flat blade tool;

10 at least one working surface on the flat blade tool;

portions on the tool and on the tool device cooperating to turn the flat blade tool relative to the tool device to change the angle of attack to the work or to position a different working surface into use;

15 portions on the tool and on the tool device cooperating to releasably retain the tool on the tool device; and

20 a push button actuator on the body operable with a first movement to turn the tool blade and operable with a second movement to release the blade tool from the body.

17. A combination in accordance with Claim 16 wherein the body comprises:

25 the body being smaller in area than the area of the tool and being positioned centrally over the top of the blade tool and having portions thereof configured to fit within a palm and to fingers of the user.

18. A combination in accordance with Claim 16 wherein the body of the tool device comprises:

30 a handle portion projecting outwardly on an upper side of the body.

19. A combination in accordance with Claim 16 wherein the actuator is pushed with a lighter force through a predetermined distance to cause a turning of

the tool blade and wherein the actuator is pushed with a larger force and through a longer distance to eject the blade tool from the body.

20. A combination in accordance with Claim 16
5 wherein the blade tool comprises:

a substantially planar body of one piece; and
an integral central post projecting upwardly
from the planar body for connection to the body of the
tool device.

10 21. A combination in accordance with Claim 20
wherein the blade tool is formed with a plurality of
integral teeth spaced about the upstanding post to
cooperate with the tool device to turn the tool through a
predetermined increment.

15 22. A tool for releasable connection to a
handle device comprising:

an integral one piece body;
a plurality of working surfaces on different
portions of the body to be turned into a use position;
20 a releasable retention portion on the body for
connection to the handle device to retain and release the
body from the handle device; and
turning portions on the body for cooperation
with the handle device to turn the body relative to the
25 handle device.

23. A blade tool in accordance with Claim 22
comprising:

the integral one piece body being made of a
molded plastic material.

30 24. A blade tool in accordance with Claim 22
wherein the integral one-piece body is made of stamped
metal.

25. A blade tool in accordance with Claim 22
wherein the releasable retention portion comprises:

an upstanding post on the body for insertion into the handle device.

26. A blade tool in accordance with Claim 22 wherein a plurality of teeth are provided on the body for cooperation with a handle device to turn the blade tool relative to the handle device.

27. A method of using a tool having multiple working surfaces and releasably connected to a tool device having a manual handle portion; the method comprising:

providing the manual handle portion on the tool device for manipulation by the user to present a first working surface or an angle of attack on the tool to the work;

providing a releasable and turnable tool for connection to the handle with the multiple working surfaces thereon;

moving an actuator on the tool device with a first movement to turn the tool to present a second working surface or a second angle of attack to the work; and

moving an actuator with a second movement to release the tool from the tool device.

28. A method in accordance with Claim 27 wherein:

the releasing of the tool from the tool device comprises a pushing of the tool away from the tool device to snap off the tool from the device without the operator having to touch the tool.

29. A method in accordance with Claim 27 comprising:

attaching the tool to the tool device by positioning the tool over a releasable connection on the

tool and forcing or pushing the tool relative to the tool device to push on the tool into the tool device.

30. A method in accordance with Claim 27 wherein the tool comprises:

5 a flat blade;

 rotating the blade through a first increment to change the angle of attack of the blade; and

 rotating the blade through a second increment of turning to change the working surface to provide a
10 different working surface in position to the work.

31. A method in accordance with Claim 27 comprising:

 providing a knob-shaped handle on the tool device for fitting in the hand of the user; and

15 providing a push button actuator on the handle for pushing with a light force to turn the tool relative to the tool device and for pushing with a greater force to snap the tool from the tool device.